Slide-On BMA Jack 2 Hole Flange to N Male Cable
36 Inch Length Using PE-SR405FLJ Coax

# RF Cable Assemblies Technical Data Sheet
PE3C4861-36

Configuration
- Connector 1: Slide-On BMA Jack 2 Hole Flange
- Connector 2: N Male
- Cable Type: PE-SR405FLJ

Features
- Max Frequency 11 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket
- Good VSWR of 1.5:1
- Gold Plated BMA Contacts
- Low Engagement Force BMA interface
- In stock and ready to ship

PE-SR405FLJ

JACKET
SHIELD
DIELECTRIC
SOLID CENTER CONDUCTOR

0.098 Ø [2.5]

Applications
- General Purpose
- Laboratory Use BMA Cable RF Backplanes
- Blind Mate BMA Test
- Rack and Panel
- Phased Array Interconnects
- High Speed Switching Networks
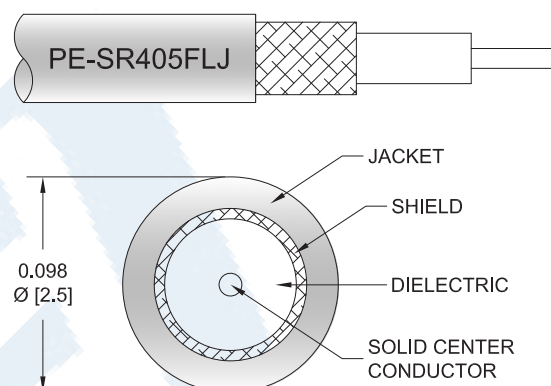
Description

Pasternack's BMA cable assemblies using PE-SR405FLJ Coax are part of our full line of RF components available for same-day shipping. These BMA cable assemblies are designed to connect BMA system components, BMA racks, or BMA back-planes, delivering signal frequencies as high as 22 GHz. Our family of BMA cables can also be used to connect switching networks or phase-matched antenna arrays where low loss BMA interconnects are desired. If none of our standard options fit your application, you can specify your own custom BMA cable assembly using Pasternack's online Cable Creator.

Our BMA cable assembly datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave cable assemblies allow designers to configure and customize their signal connections however they like. Whether the need is to provide BMA cabling or blind mate rack connections, Pasternack has the right cable assemblies for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same day.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Slide-On BMA Jack 2 Hole Flange to N Male Cable 36 Inch Length Using PE-SR405FLJ Coax PE3C4861-36

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
VSWR			1.5:1	
Return Loss			15.56	dB
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	11	GHz
Insertion Loss (Max.)	0.65	0.86	1.31	1.85	2.78	dB

Mechanical Specifications

Cable Assembly
Length*   36 in [914.4 mm]
Diameter   0.79 in [20.07 mm]

Cable
Cable Type   PE-SR405FLJ
Impedance   50 Ohms
Inner Conductor Type   Solid
Inner Conductor Material and Plating   Copper Clad Steel, Silver
Dielectric Type   PTFE
Number of Shields   1
Outer Conductor Material and Plating   Tinned Copper Composite Braid
Jacket Material   FEP, Black
Jacket Diameter   0.105 in [2.67 mm]

One Time Minimum Bend Radius   0.5 in [12.7 mm]
Repeated Minimum Bend Radius   0.787 in [19.99 mm]

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Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Connectors

Description	Connector 1	Connector 2
Type	BMA Jack 2 Hole Flange	N Male
Impedance	50 Ohms	50 Ohms
Connection Method	Slide-On	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold over Nickel
Contact Plating Specification	51.18μ in. minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Stainless Steel, Gold	Brass, Nickel
Body Plating Specification	19.68μ in. minimum	
Coupling Nut Material and Plating		Brass, Nickel

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

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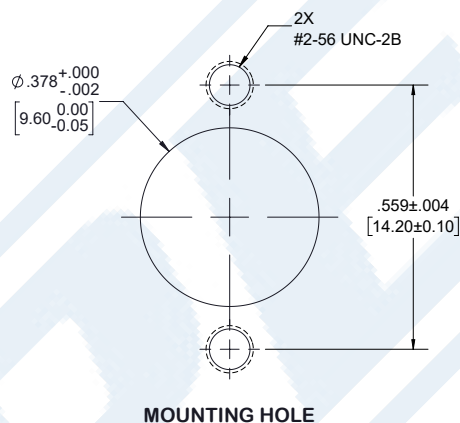Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Typical Performance Data

2X
#2-56 UNC-2B

$\varnothing$ .378 $^{+.000}_{-.002}$
$\left[9.60 ^{0.00}_{-0.05} \right]$

.559±.004
[14.20±0.10]

MOUNTING HOLE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Slide-On BMA Jack 2 Hole Flange to N Male Cable 36 Inch Length Using PE-SR405FLJ Coax PE3C4861-36

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How to Order

Part Number Configuration: **PE3C4861   - xx   uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C4861-12 = 12 inches long cable
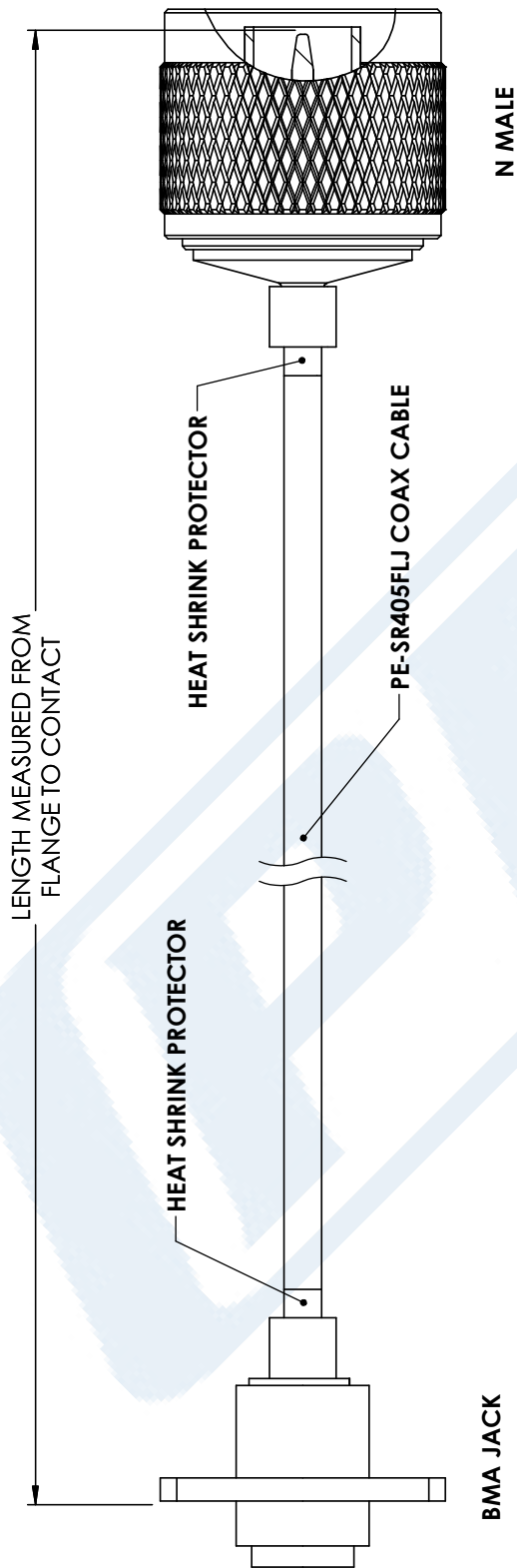PE3C4861-100cm = 100 cm long cable

Slide-On BMA Jack 2 Hole Flange to N Male Cable 36 Inch Length Using PE-SR405FLJ Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Slide-On BMA Jack 2 Hole Flange to N Male Cable 36 Inch Length Using PE-SR405FLJ Coax PE3C4861-36

URL: https://www.pasternack.com/bma-jack-n-male-pe-sr405flj-cable-assembly-pe3c4861-36-p.aspx

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PE3C4861-36 CAD Drawing

Slide-On BMA Jack 2 Hole Flange to N Male Cable
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N MALE

HEAT SHRINK PROTECTOR

PE-SR405FLJ COAX CABLE

LENGTH MEASURED FROM FLANGE TO CONTACT

HEAT SHRINK PROTECTOR

BMA JACK

STANDARD TOLERANCES
.X   ±0.2
.XX   ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

SIZE **A**		CN2245
SCALE N/A		
CAD FILE 12/12/17		

DWG TITLE

PE3C4861

CAGE CODE 53919

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